Table 1: December 10, 1997 - Subsystem Status.

SS No.	SS Lead	Status	Problems
1.0	Escuadra /Cooper	• Updates to Instrument code for EOS processing, upgrades and bug fixes. (Anselmo, Cooper, Escuadra, Hess, Spence) • Writing and testing C-routines for inclusion in CERESLIB to allow SS1 to get QA-Flag and CERES constants from CERESLIB. (Filer) • Updates to subsystem code to help with analysis of TRMM data after launch. (Anselmo, Escuadra) • Updates to IDL program as requested. (Lee) • Evaluating HDF compare utility to see if it will work as the BDS compare program. (Lee, Spence) • Analyzing REAL TRMM data. (Hess, Lee, Spence, Weaver) • Working with DAAC on running SS1 for TRMM data. Problems with ephemeris data require manual intervention to run the subsystem code. (Anselmo, Cooper)	

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SS No.	SS Lead	Status	Problems
2.0	Chang	• Generated 2 new simulated CERES preES-8 files using 20001001 and 20001002 as data dates for Subsystems 2 and 3 to test the CERES output validation plotting software on samantha. (Lee) • Added the capability to view the CERES ERBE-like Inversion QC reports over the Web. (Flug) • Modified SS2 and SS3 to include monthly ES8 QC reports, ES8 and ES4 plotting software on samantha. (Chang) • Test SS2 and SS3 using new simulated preES-8 files from Kam-Pui and found error in composite snow map file for TRMM data processing. (Chang) • Tested and updated ES8 and ES4 plot programs for the next DAAC delivery. (Liu) • Regenerated the composite snow map files using old ERBE LW ADMs files. (Kizer) • Updated ReadHDF program for ES8-HDF EOS. (Snell) • Updated Test Plan for the next DAAC delivery. (Chang, Liu, Beth, Snell) • Delivered SS2 and SS3 to the CM for next DAAC delivery. (Chang, Snell) • Wrote Data product Catalog for ES8_HDF. (Snell) • Modified all ERBE-like PCF templates to use TK5.2.1 routines and successfully tested every ERBE-like PGE's on thunder. (Chang)	
3.0	Chang	• Combined with above.	

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SS No.	SS Lead	Status	Problems
4.1	Murray	• Pat Minnis and Jay Titlow devised a new scheme of CERESmask utilizing as yet non-existent input parameters. Worked on coding for derivation of new needed parameters. Also re-worked the CERES Cloud Mask algorithm to use the new scheme. Worked with Yan Chen to derive constant input maps for derivation of new algorithm parameters. (Sun-Mack) • Set up production off line code for Jay Titlow. (Sun-Mack) • Bob Arduini derived a new solar constant from theoretical calculation. Performed comparison runs for current and new values. Used DX to visualize large differences in particle size. Will present findings at bi-weekly Clouds Working Group meeting. (Sun-Mack) • Identified and fixed a problem with the Cookiedough metadata that was traced to cereslib (PASS vs Passed, etc.) and an invalid Imager Version number. (Murray/Miller) • Began testing of the Cloud Code using TK5.2.1. Will have to add logical id's for met files for all non-hdf input files in order to access their metadata. (Murray) • Continued modifications to the PCFile generators to allow for correct format of input to input file generators. Continued testing in a more production-like environment for scripts, etc. (Murray) • Produced 1 day (Oct. 31) of Interim SSFs to pass to inversion, et. al. for Nichele McKoy to use in testing. (Murray) • Worked with Sukdee Storaasli to get the Clouds delivery to compile on samantha. (Murray) • Worked with Erika Geier to devise a reliable scheme to pass radiance and geolocation quality flags to footprint. (Murray/Miller)	
4.2	Murray	• Combined with above.	
4.3	Murray	• Combined with above.	

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SS No.	SS Lead	Status	Problems
4.4	McKinley	• DAAC accepted subsystem after successfully passing testing. (McKinley, Miller) • Modified automated method to generate external point spread function input file to use new coefficients for CERES. (Miller) • Processed an hour of VIRS simulated radiance through cookie cutter. (Miller) • Continued design for EOS-AM using two IES for each hour. Produced pseudo code. (McKinley, Miller) • Processed additional 18 hours of imager data for Erika Geier's PSF study. (Miller) • Successfully modified and tested code to use TOOLKIT 5.2.1. It is backward compatible with TK 5.2. (Miller) • Tested full Julian date in IES/SSF records. The data start and end time for ASCII QC report are incorrect, but the program doesn't abort. Our changes to correct this problem are in place on lightning, but not in latest DAAC delivery. (McKinley, Miller) • Made contact with VIRS data management team and DAAC for obtaining a VIRS geolocation file. Expected week of Dec 22. (Miller) • Continued expanding report capability for binary QC report. (Dunton, Miller)	

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SS No.	SS Lead	Status	Problems
4.5	Nolan	• Completed Subsystems 4.5 and 4.6 Release 2.1 software, Test Plan, and Delivery Memo. They were delivered to the DAAC on December 5, 1997. (Nolan and Franklin) • Initiated work to update the SSF QC print software for the inversion and surface flux QC parameters. (Nolan) • Modified 30-day test software on samantha to use new moa_io definition. (Nolan) • Modified upper limit of solar zenith angle in CERES ADM module from 180 to 90 degrees. This change will be included in the next CERESlib update. (Nolan) • Successfully tested the Subsystems 4.5 and 4.6 using TK5.2.1. (Franklin) • Successfully tested the Subsystems 4.5 and 4.6 on samantha. (Franklin) • Modified, for the next delivery, the SDS names as requested by Richard Green and Erika Geier. (Franklin)	
4.6	Nolan	• Combined with above.	
5.0	Coleman	• Working on SS7.2 to get it ready for the informal delivery. (Gupta) • Tested SS7.2 using TK5.2.1 on thunder successfully. (Gupta)	
7.2	Coleman	• Combined with above.	
12.0	Coleman	• Contacted DAO with questions regarding parameter definitions and their schedule for producing files with meta data. Still no word on new files. • Delivered RegridMOA SubSystem 12.0 to CM on December 5th.	
7.1	Jimenez	• Combined with below.	
8.0	Jimenez	• Combined with below.	

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SS No.	SS Lead	Status	Problems
10.0	Jimenez	• Began debugging TISA-averaging code that writes output to HDF-EOS format. (Jimenez) • Continued adding metadata to TISA-averaging output products. (Jimenez) • Talked to Georgia Liu about plotting the SRBAVG product. Received information from her on exactly what she needs in order to put these plots on the web. This effort is in progress. (Jimenez) • Began working on the Test Plan for Release 2 delivery. (Jimenez, Raju)	
6.0	McKoy	• Implemented and tested the input generator, PCF generator, and execution scripts for PGEs 6.2 and 9.3. Continuing to work on the input generator, PCF generator, and execution scripts for PGEs 6.3, 9.1, and 9.4. (McKoy). • Completed modifying the TISA Gridding software to handle the month boundary problem and currently testing the changes. (Nguyen) • The FSW and SFC HDF files could not be read. Determined and corrected the problem in the HDF post-processors. (McKoy)	
9.0	McKoy	• Combined with above.	
11.0	Stassi/ Fan	• Tested GGEO with Toolkit 5.2.1 successfully. (Fan) • Extended use of the naming convention used for primary outputs to apply to PCF and logfiles also. (Stassi) • Wrote a script to convert the PCF template in the Toolkit runtime directory to a format that can be used by the GGEO PCF generators. Successfully ran the GGEO test case with the template for the 5.2 version of Toolkit. Will now do test with the 5.2.1 template. (Stassi) • Modified the GrADS graphic program to be able to more easily step through the graphic images for the individual days of the month. (Wong)	

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SS No.	SS Lead	Status	Problems
CERESlib	Stassi/ Fan	• Changed CERES's LocalGranuleName and LocalVersion to ECS's LocalGranuleID and LocalVersionID in meta_util.f90 because ECS has enlarged these two attributes to hold our values. (Fan) • Changed VersionID from String to Integer due to ECS changes. Modified the MCF template according to ECS changes and Haldun's comment about Mandatory = “true”. (Fan)	
CM	Ayers	• Delivered CERES Subsystems 5.0 (SARB), 4.5 - 4.6 (Inversion), and CERESlib to the DAAC. (Ayers, McKoy)	
IST	Flug	• Added the capability to view event reports to the "View File" option.	